

REPORT DOCUMENTATION PAGE				<i>Form Approved</i> <i>OMB No. 0704-0188</i>	
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14. ABSTRACT During the 2015-2016 influenza season (4 October 2015 - 1 October 2016), results were finalized for 4,591 specimens from 80 locations. There were 1,132 specimens positive for influenza (637 A(H1N1)pdm09, 114 A(H3N2), 376 B, 2 dual influenza coinfections, and 3 influenza coinfections with other respiratory pathogens). See Table 2 on pages 4 & 5 for these results and other respiratory pathogens identified. Differences between specimens collected and tested are due to specimens sent for sequencing only and/or specimens not tested for various reasons. During the 2015-2016 influenza season, influenza A(H1N1)pdm09 was the predominant strain. This season had a late start, with influenza activity peaking at Week 10. The influenza percent positive for the season was 25%. This is the cumulative report for specimens tested at USAFSAM during the 2015-2016 influenza season.					
15. SUBJECT TERMS Influenza, surveillance, annual report, sentinel sites					
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a. REPORT U	b. ABSTRACT U	c. THIS PAGE U			Jeffrey Thervil
			SAR	9	19b. TELEPHONE NUMBER (include area code)



Cumulative Results

Locations	80
Collected	4,645
Tested	4,591

Influenza A 755

A(H1N1)pdm09	637
A(H1N1)pdm09 & B	1
A(H1N1)pdm09 & Coronavirus	1
A(H1N1)pdm09 & Parainfluenza	1
A(H3N2)	114
A(H3N2) & B	1

Influenza B 377

B	376
B & Adenovirus	1

Other Respiratory Pathogens 1,182

Adenovirus	167
<i>Bordetella pertussis</i>	1
<i>Chlamydia pneumoniae</i>	3
Coronavirus	89
Human Metapneumovirus	88
<i>Mycoplasma pneumoniae</i>	62
Parainfluenza	130
RSV	130
Rhinovirus/Enterovirus	363
Non-influenza Viral Coinfections	131
Non-influenza Bacterial Coinfections	18
-B. pertussis (3)	
-B. pertussis & M. pneumo (1)	
-C. pneumo (2)	
-C. pneumo & M. pneumo (1)	
-M. pneumo (11)	

Respiratory Highlights

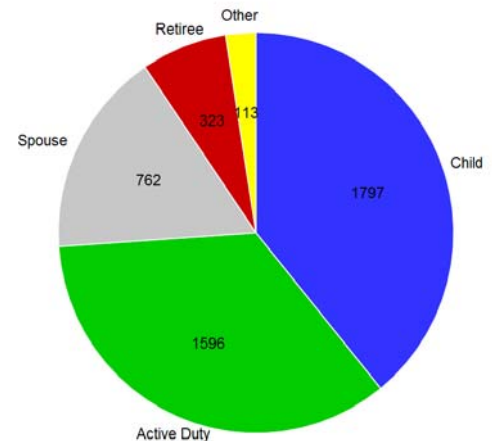
2015-2016 Influenza Season (4 October 2015 – 1 October 2016)

- During the 2015-2016 influenza season (4 October 2015 - 1 October 2016), results were finalized for 4,591 specimens from 80 locations. There were 1,132 specimens positive for influenza (637 A(H1N1)pdm09, 114 A(H3N2), 376 B, 2 dual influenza coinfections, and 3 influenza coinfections with other respiratory pathogens). See Table 2 on pages 4 & 5 for these results and other respiratory pathogens identified. Differences between specimens collected and tested are due to specimens sent for sequencing only and/or specimens not tested for various reasons.
- During the 2015-2016 influenza season, influenza A(H1N1)pdm09 was the predominant strain. This season had a late start, with influenza activity peaking at Week 10. The influenza percent positive for the season was 25%.
- This is the cumulative report for specimens tested at USAFSAM during the 2015-2016 influenza season.

Table 1. ILI by age group for the 2015-2016 surveillance year

Age Group	Frequency	Percent
0-5	1029	22.41
6-9	347	7.56
10-17	424	9.24
18-24	648	14.11
25-44	1477	32.17
45-64	539	11.74
65+	127	2.77

Graph 1. ILI by age group for the 2015-2016 surveillance year



Demographic Summary

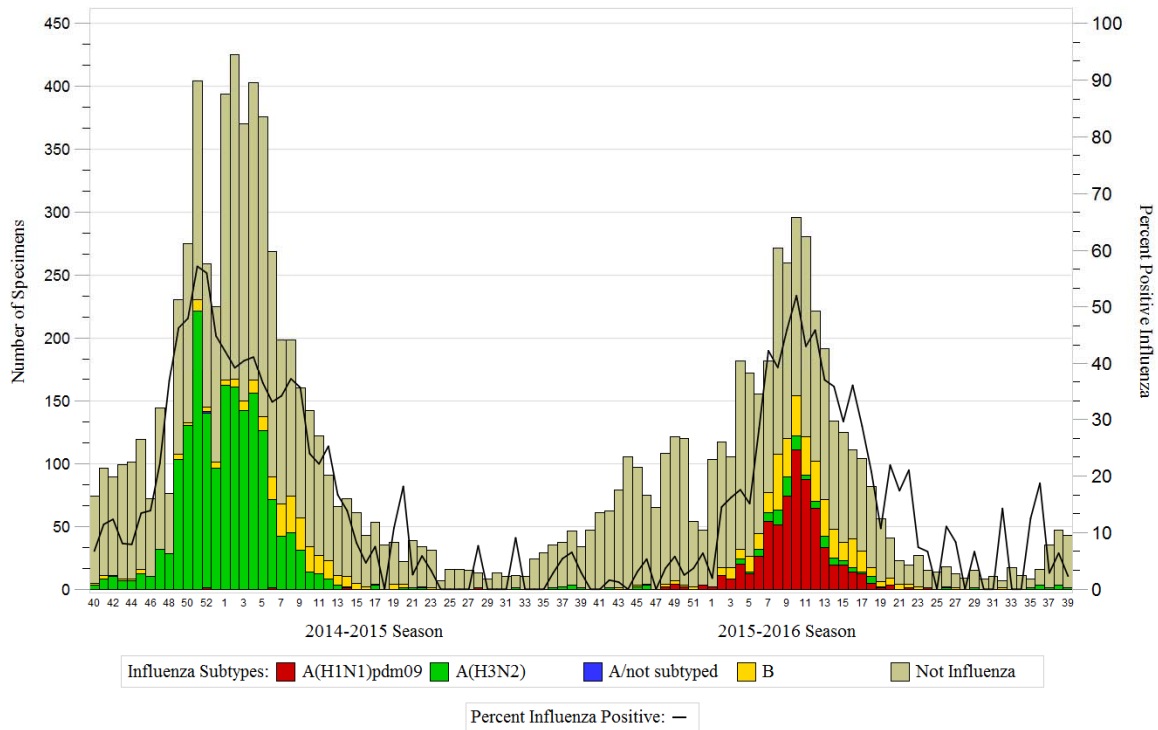
Of 4,591 ILI cases, 1,596 (34.8%) are service members, 1,797 (39.1%) are children, 762 (16.6%) are spouses, and 436 (9.5%) are retirees and other beneficiaries. The median age of ILI cases with known age (n=4,591) is 23 (range 0, 95).

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DoD Global, Laboratory-Based, Influenza Surveillance Program Background	Page 8

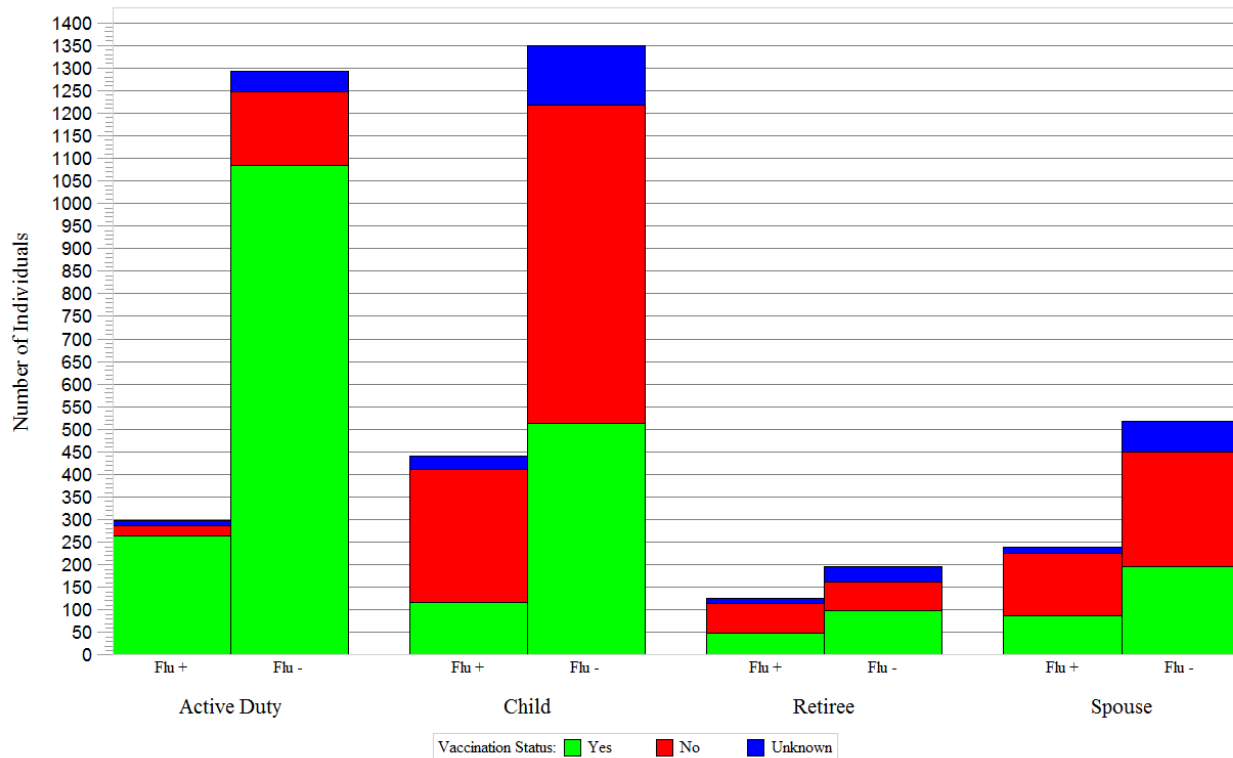
Laboratory Results - Cumulative for Season

Graph 2. Percent influenza positive by week: 2014-2015 and 2015-2016 surveillance years

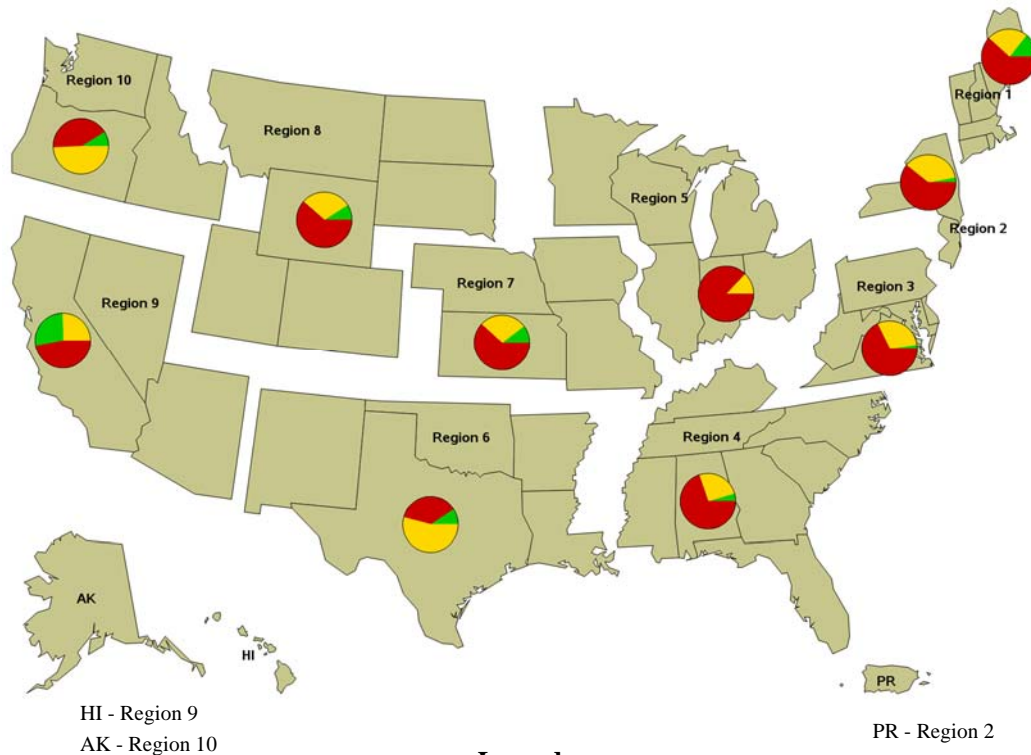


Note: Dual influenza coinfections are excluded from this graph.

Graph 3. Vaccination status by beneficiary type for the 2015-2016 surveillance year



Map 1. Influenza subtypes and activity level by region for the 2015-2016 surveillance year

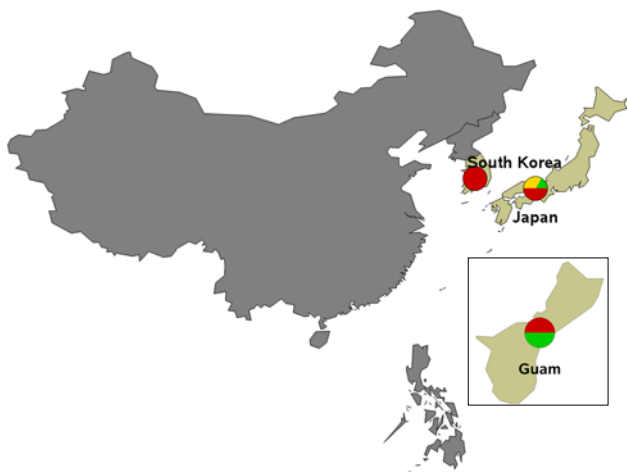


Legend

Influenza Results - Cumulative

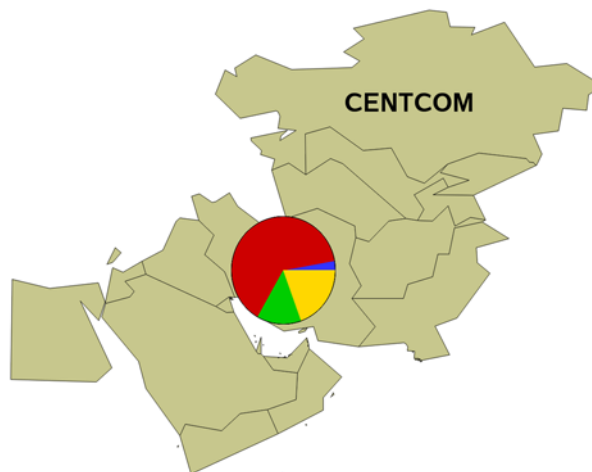


Map 2. Influenza subtypes by country for the 2015-2016 surveillance year (Pacific)



Note: Sentinel sites are not present in gray areas within the map.

Map 3. Influenza subtypes for CENTCOM for the 2015-2016 surveillance year



Note: Specimens for CENTCOM were tested at USAFSAM and Landstuhl Regional Medical Center .

DoD Global, Laboratory-Based, Influenza Surveillance Program

Laboratory Results

Table 2. Cumulative results by region and location for specimens collected during the 2015-2016 surveillance year

Region*		A(H1N1)pdm09	A(H3N2)	A(H1N1)pdm09 & B	A(H1N1)pdm09 & Corona	A(H1N1)pdm09 & Para	A(H3N2) & B	B	B & Adeno	Adenovirus	B. pertussis	C. pneumoniae	Coronavirus	H1N1V	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Bacterial CoInfection	Non-Influenza Viral CoInfection	No Pathogen	Total	
Deployed	Country 1, Location B	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	-	-	7	12	
	Country 2, Location A	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	14		
PACOM	CFA Okinawa, Japan	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	10	12	
	Eielson AFB, AK	5	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	7	15	
	JB Elmendorf-Richardson, AK	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	-	6	9	
	JR Marianas - Andersen AFB, Guam	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	5	
	JR Marianas - NH Guam, Guam	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	Kadena AB, Japan	2	1	-	-	-	-	3	-	-	-	-	-	2	-	3	-	-	5	-	1	23	40
	Kunsan AB, South Korea	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	Misawa AB, Japan	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	-	-	5	12
	Osan AB, South Korea	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	7
	Tripler AMC, HI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	USCG Base Kodiak, AK	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Yokota AB, Japan	20	8	-	-	-	-	13	-	8	-	-	4	-	3	5	2	6	-	2	42	111	
Region 1	Hanscom AFB, MA	9	-	-	-	-	-	5	-	4	-	-	-	-	1	2	2	-	-	2	26	51	
	NHCNE Newport, RI	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	11	14	
	USCG Academy, CT	4	3	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	9	18	
Region 2	Ft Drum, NY	12	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	5	-	-	7	27	
	JB McGuire-Dix-Lakehurst, NJ	31	1	-	-	-	-	20	1	3	-	-	1	4	3	2	-	16	1	3	53	139	
	USMA - West Point, NY	56	4	-	-	1	-	38	-	25	-	1	10	10	6	15	11	29	3	12	179	400	
Region 3	Dover AFB, DE	24	-	-	-	-	-	8	-	3	-	1	-	2	1	1	2	4	-	1	84	131	
	JB Anacostia-Bolling, DC	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	2	5	
	JB Andrews, MD	7	-	-	-	-	-	3	-	2	-	-	-	2	1	-	2	-	-	-	12	29	
	JB Langley-Eustis, VA	20	-	-	-	-	-	11	-	11	-	-	4	7	3	7	9	13	2	3	74	164	
	NCRM - Walter Reed NMMC, MD	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	
	NMC Portsmouth, VA	6	1	-	-	-	-	4	-	4	-	-	1	1	5	1	2	3	1	1	24	54	
Region 4	CGS Mobile, AL	1	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	2	8
	Columbus AFB, MS	6	-	-	-	-	-	-	-	2	-	-	2	1	-	-	2	4	-	-	26	43	
	Eglin AFB, FL	10	1	-	-	-	-	3	-	6	-	-	1	1	2	5	7	8	-	1	79	124	
	Ft Bragg, NC	9	-	-	-	-	-	12	-	4	-	-	4	1	1	-	3	3	1	2	44	84	
	Ft Campbell, KY	24	1	-	-	-	-	9	-	1	-	-	4	2	-	2	1	4	-	-	43	91	
	Hurlburt Field, FL	7	1	-	-	-	-	2	-	5	-	1	-	2	4	1	1	1	-	2	34	61	
	JB Charleston (AF), SC	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
	Keesler AFB, MS	-	-	-	-	-	-	-	-	1	-	-	-	-	2	1	-	3	1	1	35	44	
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	2	6	
	Maxwell AFB, AL	23	1	-	1	-	-	2	-	6	-	-	1	-	1	1	2	9	-	1	68	116	
	Moody AFB, GA	13	1	-	-	-	-	11	-	8	-	-	2	1	2	8	8	20	-	8	42	122	
	NH Beaufort, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
	NH Camp Lejeune, NC	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	3	-	1	9	17	
	NH Jacksonville, FL	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	1	-	-	8	12	
	Patrick AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
	Robins AFB, GA	6	-	-	-	-	-	1	-	-	-	-	-	-	2	1	1	2	-	-	18	31	
	Seymour Johnson AFB, NC	12	-	-	-	-	-	1	-	2	-	-	2	-	-	1	-	4	1	1	14	38	
	Shaw AFB, SC	2	1	-	-	-	-	2	-	-	-	-	5	-	4	-	-	6	1	1	16	38	
	Tyndall AFB, FL	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	3	6	

*CONUS locations are based on Health & Human Services regions. Other locations are defined by COCOM.. (Cont'd on page 5)

DoD Global, Laboratory-Based, Influenza Surveillance Program

Laboratory Results

Table 2. Cumulative results by region and location for specimens collected during the 2015-2016 surveillance year
(Cont'd from page 4)

Region*		A(H1N1)pdm09	A(H3N2)	A(H1N1)pdm09 & B	A(H1N1)pdm09 & Corona	A(H1N1)pdm09 & Para	A(H3N2) & B	B	B & A deno	Adenovirus	B. pertussis	C. pneumoniae	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-I influenza Bacterial Coinfection	Non-I influenza Viral Coinfection	No Pathogen	Total
Region 5	Scott AFB, IL	5	-	-	-	-	-	1	-	2	-	-	-	2	-	1	-	2	-	-	21	34
	Wright-Patterson AFB, OH	15	-	-	-	-	-	2	-	3	-	-	-	1	1	2	1	5	-	-	42	72
Region 6	Altus AFB, OK	7	-	-	-	-	-	4	-	4	-	-	3	5	-	6	10	15	1	5	75	135
	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5	6
	Cannon AFB, NM	13	4	1	-	-	-	12	-	3	-	-	2	4	-	2	2	8	-	12	45	108
	Laughlin AFB, TX	1	5	-	-	-	-	5	-	2	-	-	1	-	-	-	2	5	-	-	11	32
	Little Rock AFB, AR	5	1	-	-	-	-	1	-	-	-	-	1	1	-	-	-	4	-	1	29	43
	Sheppard AFB, TX	8	-	-	-	-	-	32	-	10	-	-	3	3	3	2	5	24	-	6	113	209
	Tinker AFB, OK	4	-	-	-	-	-	3	-	6	-	-	1	-	1	7	7	9	1	7	53	99
	USCG New Orleans, LA	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Vance AFB, OK	1	-	-	-	-	-	1	-	2	-	-	-	2	-	2	-	3	-	-	47	58
Region 7	Ft Leavenworth, KS	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	9	11
	M cConnell AFB, KS	5	-	-	-	-	-	4	-	1	-	-	1	-	2	2	-	8	1	-	41	65
	Offutt AFB, NE	19	4	-	-	-	-	6	-	2	-	-	2	2	-	4	1	11	-	-	87	138
Region 8	Ellsworth AFB, SD	18	2	-	-	-	-	2	-	4	-	-	1	4	2	7	2	4	-	5	46	95
	FE Warren AFB, WY	19	3	-	-	-	-	7	-	3	1	-	3	2	1	3	7	6	-	3	55	113
	Hill AFB, UT	38	6	-	-	-	-	33	-	3	-	-	2	3	1	-	2	14	1	1	123	227
	Malmstrom AFB, M T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	3
	Minot AFB, ND	7	-	-	-	-	-	-	-	-	-	-	2	1	-	1	2	5	-	1	13	32
	Peterson AFB, CO	14	3	-	-	-	1	2	-	2	-	-	5	1	-	-	1	6	-	5	40	80
	USAF Academy, CO	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4	-	1	-	-	12	18
Region 9	Beale AFB, CA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5
	CGSHumboldt Bay, CA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Davis-Monthan AFB, AZ	4	8	-	-	-	-	1	-	-	-	-	5	-	-	1	-	5	-	1	19	44
	Edwards AFB, CA	1	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1	1	-	-	9	14
	Luke AFB, AZ	30	24	-	-	-	-	21	-	3	-	-	-	9	1	1	9	6	-	10	54	168
	NH Twentynine Palms, CA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Nellis AFB, NV	19	2	-	-	-	-	5	-	7	-	-	3	-	-	11	4	10	-	8	91	160
	Travis AFB, CA	19	8	-	-	-	-	13	-	3	-	-	2	9	2	6	7	24	-	7	61	161
	USCG Island Alameda, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
	Vandenberg AFB, CA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	11	15
Region 10	Fairchild AFB, WA	6	1	-	-	-	-	6	-	1	-	-	-	1	-	-	-	4	-	1	21	41
	JB Lewis-McChord, WA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	McChord AFB, ID	1	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	10	14
	NH Bremerton, WA	44	9	-	-	-	-	57	-	6	-	-	2	2	2	13	6	17	1	12	85	258
Total		637	114	1	1	1	1	378	1	167	1	3	89	88	62	130	130	383	18	131	2277	4591

*CONUS locations are based on Health & Human Services regions. Other locations are defined by COCOM..

DoD Global, Laboratory-Based, Influenza Surveillance Program

EUCOM Respiratory Surveillance Supplemental Report 2015-2016 Season

In cooperation and agreement with U.S. Army Public Health Command Region-Europe (PHCR-E), the DoD Global, Laboratory-Based, Influenza Surveillance Program has analyzed data from surveillance sites that submit specimens to Landstuhl Regional Medical Center (LRMC), Germany. LRMC's laboratory is the forward laboratory for military sites in Europe.

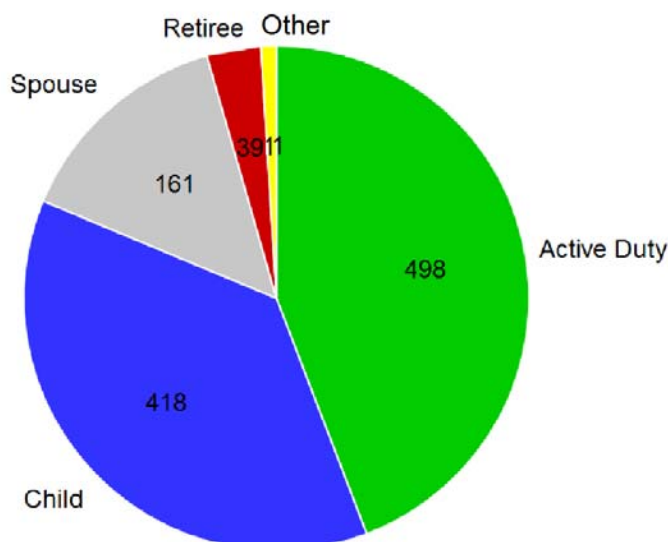
Table 3. Cumulative results by region and location for specimens collected during the 2015-2016 surveillance year

Region		A(H1N1)pdm 09	A(H3N2)	A/not subtyped	A/not subtyped & Adeno	A/not subtyped & hMNV	A/not subtyped & Para	A/not subtyped & RSV	A/not subtyped & Rhino/Entero	A(H1N1)pdm 09 & B	A(H1N1)pdm 09 & hMNV	A(H1N1)pdm 09 & Para & Rhino/Entero	A(H1N1)pdm 09 & RSV	A(H1N1)pdm 09 & Rhino/Entero	A(H3N2) & Rhino/Entero	A/not subtyped & B	B	B & hMNV	B & Rhino/Entero	Adenovirus	hMNV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & RSV	Adeno & RSV & Rhino/Entero	Adeno & Rhino/Entero	hMNV & Para	hMNV & Rhino/Entero	Para & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total	
AFRICOM	Camp Lemonnier, Djibouti	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Deployed	Country 2, Location A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	8
	Country 6, Location A	14	2	1	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	2	2	1	33	-	-	-	-	-	-	-	68	126
EUCOM	Aviano AB, Italy	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8
	Incirlik AB, Turkey	-	1	1	-	-	-	1	-	-	-	-	-	1	1	-	-	-	-	-	-	5	1	7	7	-	-	-	-	-	-	-	9	34
	Landstuhl RMC, Germany	17	-	1	-	2	-	-	-	-	-	-	-	2	1	1	7	-	-	3	6	7	19	42	-	-	1	-	1	3	3	139	255	
	NAVSTA Rota, Spain	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	3	1	5	-	-	-	-	-	-	-	-	14	29
	NSA Naples, Italy	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	4	-	-	-	-	-	-	-	14	24
	RAF Lakenheath, England	26	2	1	1	-	1	-	1	-	3	-	1	1	-	-	6	1	-	8	16	10	24	65	1	-	-	-	2	3	19	118	310	
	Ramstein AB, Germany	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	2	2	2	3	13	-	-	-	-	-	-	-	1	27	59
	Spangdahlem AB, Germany	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	1	-	-	6	11
	USAG Stuttgart, Germany	13	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	-	2	6	3	5	18	-	-	-	-	1	-	-	43	96
	USAG Vicenza, Italy	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	5	-	-	-	-	-	-	-	10	19
	Vilseck AHC, Germany	12	-	1	-	-	-	1	-	1	-	-	-	2	-	1	8	-	-	1	5	7	13	28	1	1	2	1	3	4	2	52	146	
Total		91	-	9	1	2	1	2	1	1	3	1	1	6	2	3	36	2	1	18	47	36	75	223	2	1	3	1	8	10	25	508	1127	

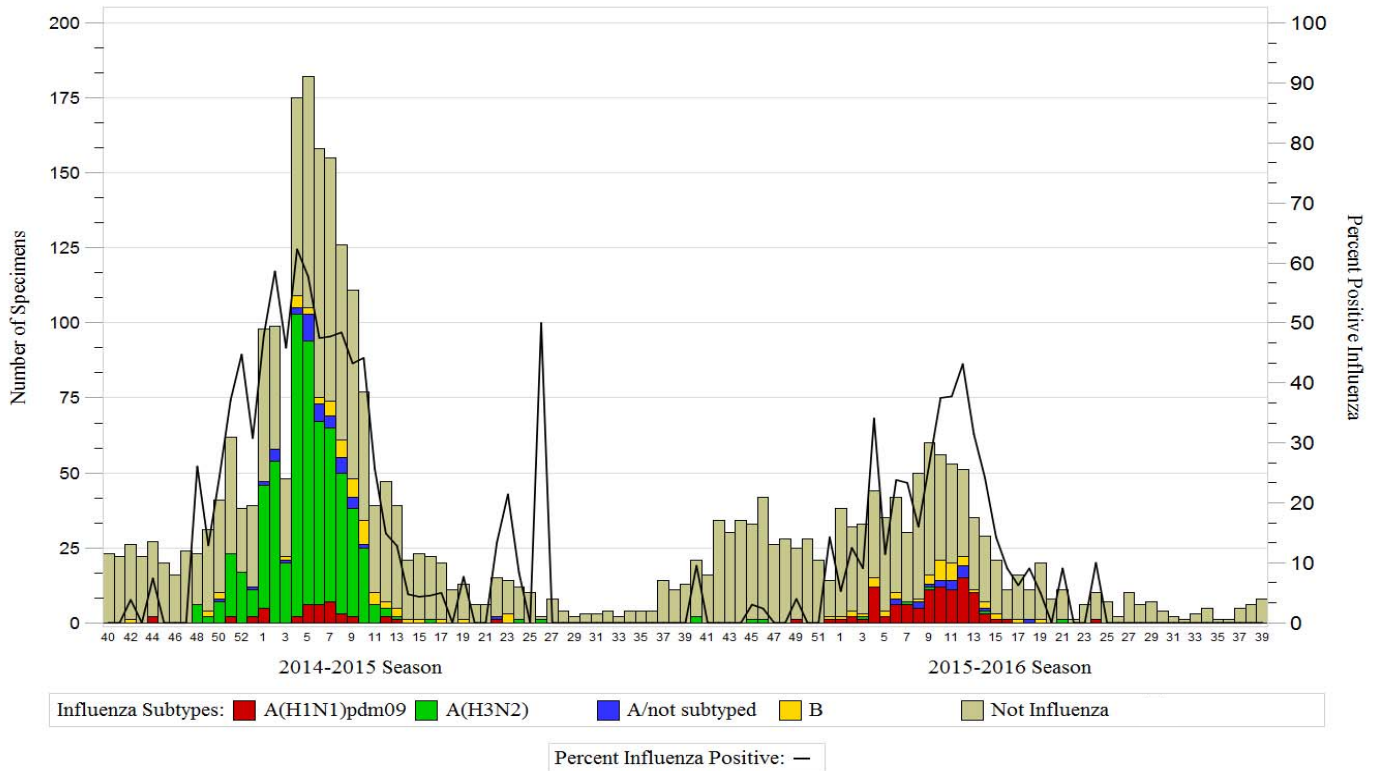
Table 4. ILI by age group for the 2015-2016 surveillance year

Age Group	Frequency	Percent
0-5	335	29.72
6-9	50	4.44
10-17	33	2.93
18-24	145	12.87
25-44	462	40.99
45-64	84	7.45
65+	18	1.60

Graph 4. ILI by beneficiary status for the 2015-2016 surveillance year

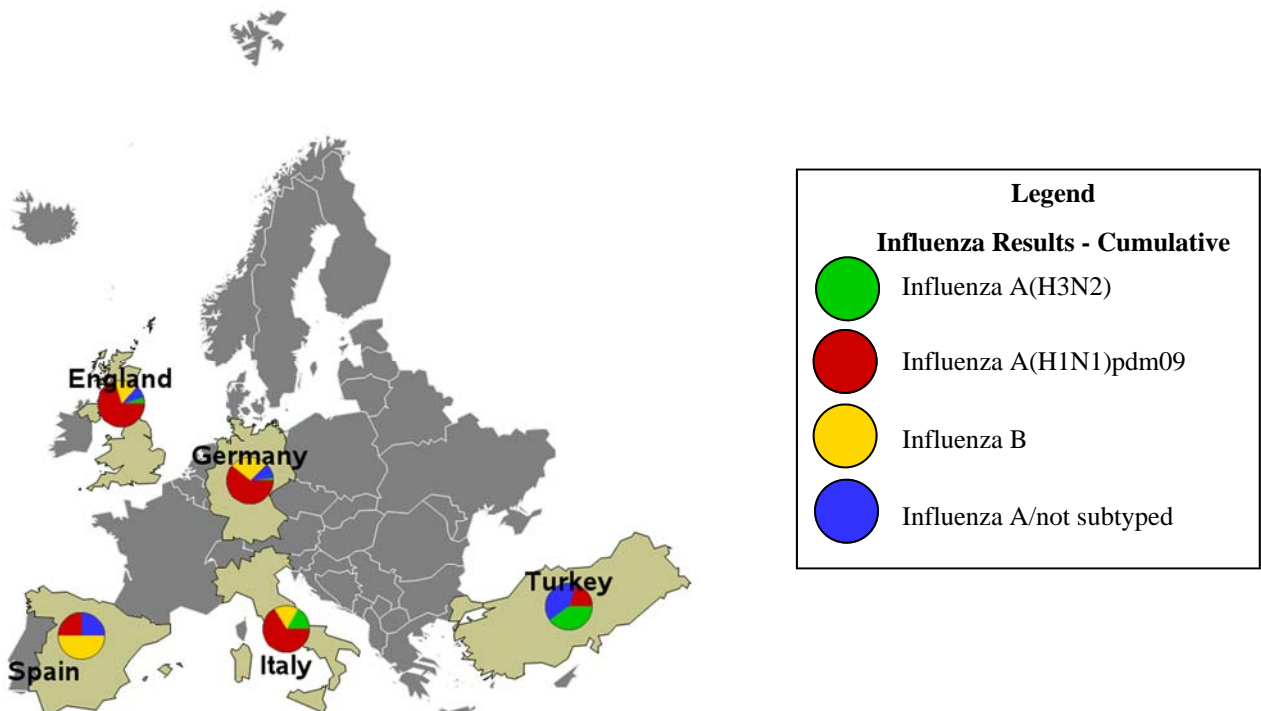


Graph 5. Percent influenza positive by week: 2014-2015 and 2015-2016 surveillance years (EUCOM)



Note: Dual influenza co-infections have been excluded from the graph.

Map 4. Influenza subtypes and activity level by country for the 2015-2016 surveillance year (EUCOM)



Note: Sentinel sites are not present in gray areas within the map.

Background

The DoD-wide program was established by the Global Emerging Infections Surveillance and Response System (GEIS) in 1997. The surveillance network includes the U.S. Air Force School of Aerospace Medicine (USAFSAM) (sentinel site respiratory surveillance), the Naval Health Research Center (NHRC) (recruit and shipboard population-based respiratory surveillance), the Naval Medical Research Unit (NAMRU-3) in Cairo, Egypt, the Naval Medical Research Unit (NAMRU-2) in Phnom Penh, Cambodia, the Armed Forces Research Institute of Medical Sciences (AFRIMS) in Bangkok, Thailand, the Naval Medical Research Unit (NAMRU-6) in Lima, Peru, and the United States Army Medical Research Unit-Kenya (USAMRU-K) located in Nairobi, Kenya. This work is supported by the Air Force and GEIS Operations, a Division of the Armed Forces Health Surveillance Branch (AFHSB).

Sentinel Site Surveillance at USAFSAM

In 1976, the U.S. Air Force Medical Service began conducting routine, global, laboratory-based influenza surveillance. Air Force efforts expanded to DoD-wide in 1997. USAFSAM manages the surveillance program, which includes global surveillance among DoD beneficiaries at over 95 sentinel sites (including deployed locations) and many non-sentinel sites (please see map below). Collaborating partner laboratories include five DoD overseas medical research laboratories (AFRIMS, NAMRU-2, NAMRU-3, NAMRU-6, USAMRU-K), which collect specimens from local residents in surrounding countries that may not otherwise be covered in existing surveillance efforts. Additionally, NHRC in San Diego, CA, collects specimens from DoD recruit training centers and conducts surveillance along the Mexico border.

Landstuhl Regional Medical Center (LRMC) and Tripler Army Medical Center (TAMC) assist USAFSAM by processing DoD specimens for the EUCOM region and the State of Hawaii, respectively. This process seeks to provide more timely results and efficient transport of specimens.

Available on our website is a list of previous weekly surveillance reports, program information (including an educational briefing and instruction pamphlets for clinic staff), and a dashboard containing respiratory data for our sentinel sites.

Errata:

DoD Global, Laboratory-Based, Influenza Surveillance Program

For Public Health Services
937-938-3196; DSN 798-3196

For Laboratory Services
937-938-4140; DSN 798-4140

USAFSAM.PHRFlu@us.af.mil



Collaborating Partners

In addition to all participating DoD military sentinel sites, collaborating laboratories and medical centers (described above) may be further understood by reviewing the sites' website. Click on the sites' icon to be directed to their webpage.

